



Deployment Models

Cisco Jabber for Windows provides two deployment models, on-premises or cloud-based.

Learn about each deployment model and review the available options for on-premises and cloud-based deployments.

- [On-Premises Deployments, page 1](#)
- [Cloud-Based Deployments, page 2](#)
- [Environment Architecture, page 3](#)

On-Premises Deployments

The on-premises deployment model is one in which all services are set up and configured on an enterprise network that you manage and maintain.

Base on-premises deployment

You start your on-premises deployment with the base functionality of instant messaging and presence.

Deployment options

After you set up instant messaging and presence, you can extend your deployment with the following unified communications features:

Voice

Enable users to send and receive audio calls with software phone and desk phone devices.

Video

Enable users to send and receive video, including video desktop sharing with software phones.

Voicemail

Enable users to retrieve voicemail message directly from Cisco Jabber for Windows and redirect incoming audio calls to voicemail.

Conferencing

Enable meeting capabilities that let users collaborate and efficiently share information.

Microsoft Office integration

Enable availability status and click-to-x functionality in Microsoft Office applications such as Microsoft Outlook.

Cloud-Based Deployments

The cloud-based deployment model is one in which all, or most, services are hosted through Cisco WebEx. You manage and monitor your cloud-based deployment with the Cisco WebEx Administration Tool.

Base cloud-based deployment

You start your cloud-based deployment with the base functionality of instant messaging and presence.

Deployment options

After you set up instant messaging and presence, you can extend your deployment with the following features:

Conferencing

Enable simple, flexible conferencing capabilities through Cisco WebEx Meeting Center.

Microsoft Office integration

Enable availability status and click-to-x functionality in Microsoft Office applications such as Microsoft Outlook.

Hybrid cloud-based deployment options

A hybrid cloud-based deployment is one in which you can extend a cloud-based deployment by combining on-premises servers to provide additional services, such as voice and video.

In a hybrid cloud-based deployment, you set up the following servers:

Cisco Unified Communications Manager

Provides the following services:

Voice

Enable users to send and receive audio calls with software phone and desk phone devices.

Video

Enable users to send and receive video, including video desktop sharing with software phones.

Cisco Unity Connection

Provides the following service:

Voicemail

Enable users to retrieve voicemail message directly from Cisco Jabber for Windows and redirect incoming audio calls to voicemail.

Environment Architecture

The environment architecture is the infrastructure of servers and other components that provide communications services and capabilities to Cisco Jabber for Windows. Review the environment architecture for each deployment type to understand the required components and how they interact.

Architecture of On-Premises Deployments

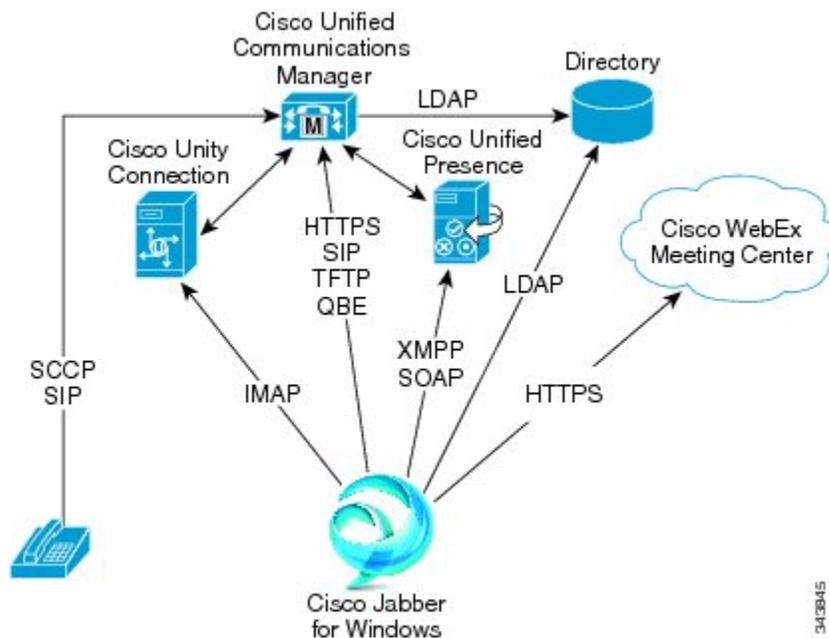
This section describes the architecture for on-premises deployments.

8.6.x On-Premises Deployment Architecture

This section describes an 8.6.x on-premises deployment that integrates with Cisco Unified Communications Manager version 8.6.x or lower and Cisco Unified Presence.

The following diagram illustrates the architecture of an 8.6.x on-premises deployment:

Figure 1: On-Premises architecture



The following list describes the components in the on-premises architecture:

Desk phone

Connects to Cisco Unified Communications Manager for signaling and configuration.

Cisco Unity Connection

Provides voicemail capabilities.

Cisco Unified Communications Manager

- Provides audio and video call management capabilities.
- Provides user and device configuration settings.
- Connects to the directory for user synchronization and user authentication.

Cisco Unified Presence

- Provides instant messaging and presence capabilities.
- Enables Cisco Jabber for Windows to retrieve details for available services.

Directory

One of the following types of directory:

- Microsoft Active Directory
- LDAP directory

As an alternative to a standalone directory, you can use Cisco Unified Communications Manager User Data Service as your directory source after you synchronize your directory to Cisco Unified Communications Manager.

Cisco WebEx Meeting Center

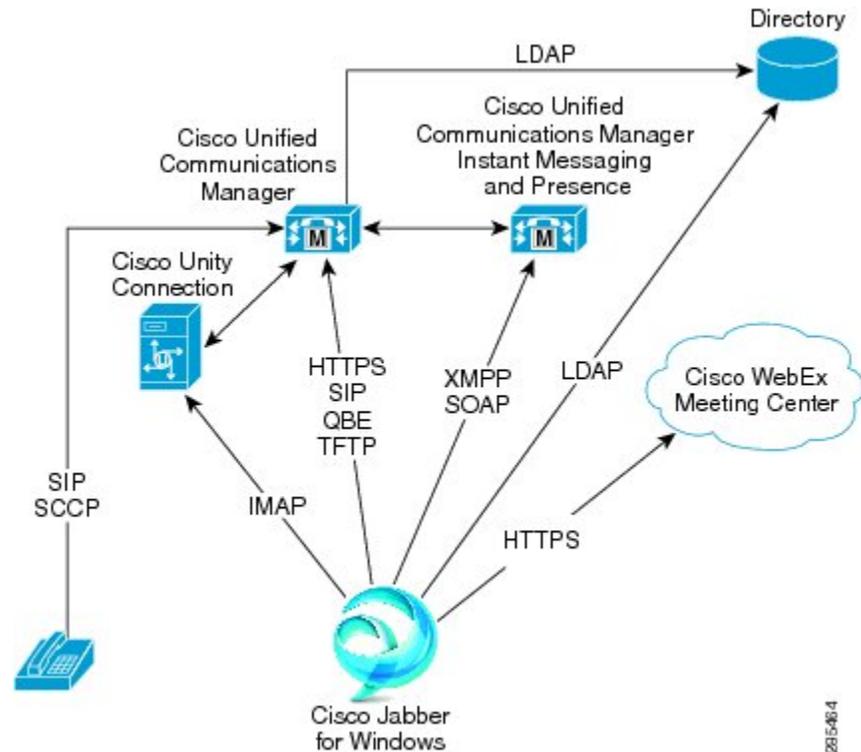
Provides hosted meeting capabilities.

9.x On-Premises Deployment Architecture

This section describes a 9.x on-premises deployment that integrates with Cisco Unified Communications Manager version 9.0.1 or higher and Cisco Unified Communications IM and Presence.

The following diagram illustrates the architecture of a 9.x on-premises deployment:

Figure 2: On-Premises architecture



The following list describes the components in the on-premises architecture:

Desk phone

Connects to Cisco Unified Communications Manager for signaling and configuration.

Cisco Unity Connection

Provides voicemail capabilities.

Cisco Unified Communications Manager

- Provides audio and video call management capabilities.
- Provides user and device configuration settings.
- Connects to the directory for user synchronization and user authentication.

Cisco Unified Communications IM and Presence

- Provides instant messaging and presence capabilities.
- Enables Cisco Jabber for Windows to retrieve details for available services.

Directory

One of the following types of directory:

- Microsoft Active Directory
- LDAP directory

As an alternative to a standalone directory, you can use Cisco Unified Communications Manager User Data Service as your directory source after you synchronize your directory to Cisco Unified Communications Manager.

Cisco WebEx Meeting Center

Provides hosted meeting capabilities.

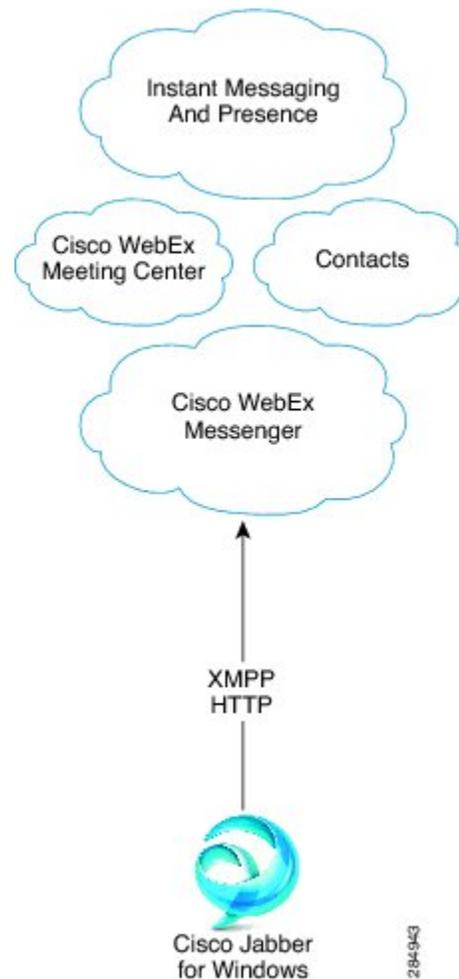
Architecture of Cloud-Based Deployments

This section describes the architecture for cloud-based deployments.

Cloud-Based Architecture

The following diagram illustrates the architecture of a cloud-based deployment:

Figure 3: Cloud-Based architecture



The following list describes the components in the cloud-based architecture:

Cisco WebEx Messenger

Provides hosted services for contacts and instant messaging and presence capabilities.

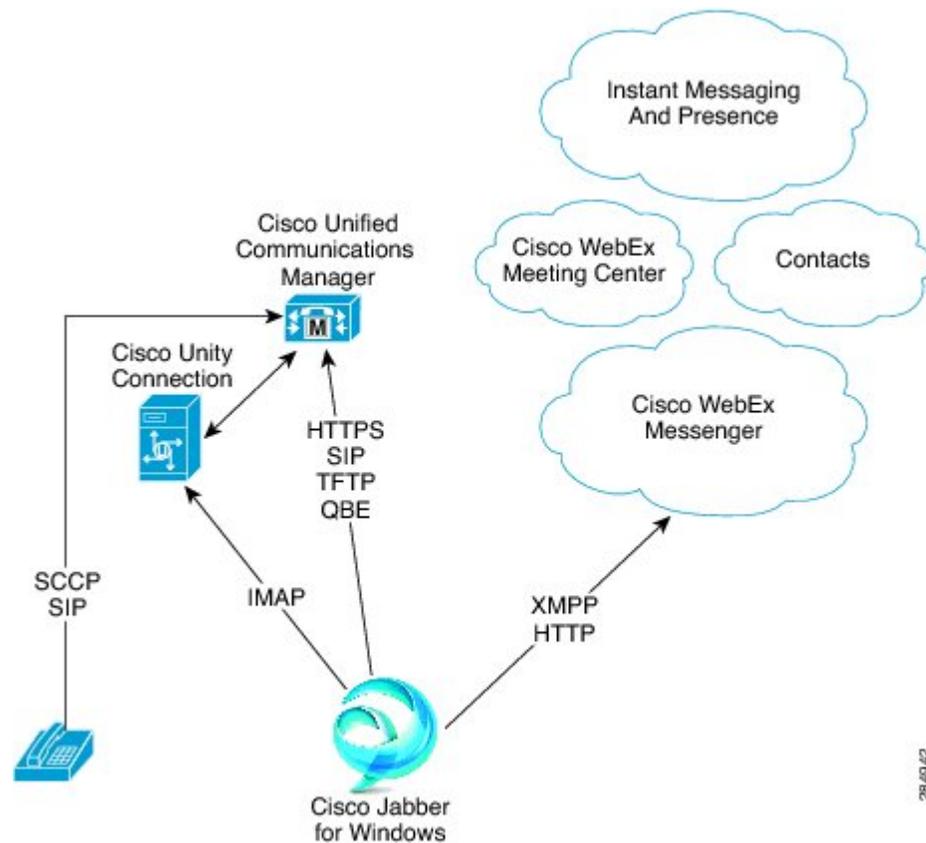
Cisco WebEx Meeting Center

Provides hosted meetings capabilities.

Hybrid Cloud-Based Architecture

The following diagram illustrates the architecture of a hybrid cloud-based deployment:

Figure 4: Hybrid cloud-based architecture



The following list describes the components in the hybrid cloud-based architecture:

Cisco WebEx Messenger

Provides hosted services for contacts and instant messaging and presence capabilities.

Cisco WebEx Meeting Center

Provides hosted meetings capabilities.

Desk phone

Connects to Cisco Unified Communications Manager for signaling and configuration.

Cisco Unified Communications Manager

- Provides audio and video call management capabilities.
- Provides user and device configuration settings.

Cisco Unity Connection

Provides voicemail capabilities.

